



RUAPEHU TA

HEALTH PROFILE 2015

DID YOU KNOW?

2%

of the Waikato DHB population lives in Ruapehu TA

THE

Smallest Territorial Authority (TA) in Waikato DHB

7,170

people live in Ruapehu TA

BIRTHS IN 2014



6

births to women 19 years and under



20

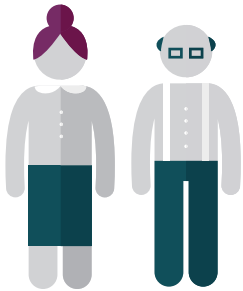
births to women 35 years and over



104

Total number of births in 2014

POPULATION (2013 Census)



16%

of the population is 65 years and over



23%

of the population is under 15 years old



8%

of the population is under 5 years of age

TRANSPORT

10%

of households have no access to a motor vehicle



SMOKING

30%

2006

Regular smokers 15 years and over

25%

2013

Regular smokers 15 years and over



Males live to around

77

years

Females live to around

81

years

23%

of households are single parent



11%

of the population live in crowded housing

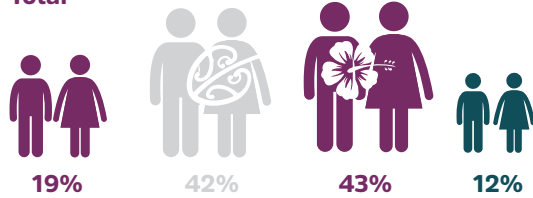
63%

(0-14 years) of the population live in the most deprived areas (9 and 10 NZ Dep)



Percentage of regular smokers within Ruapehu TA by ethnicity. 2013 Census.

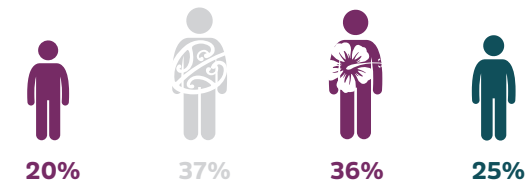
Total



Female

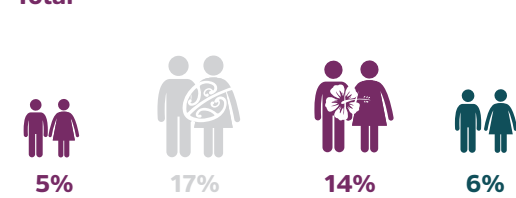


Male



Percentage of unemployed people within Ruapehu TA by ethnicity. 2013 Census

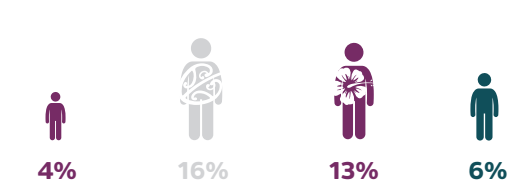
Total



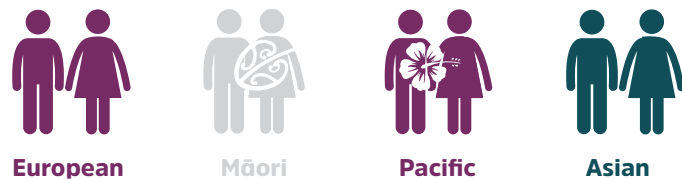
Female



Male

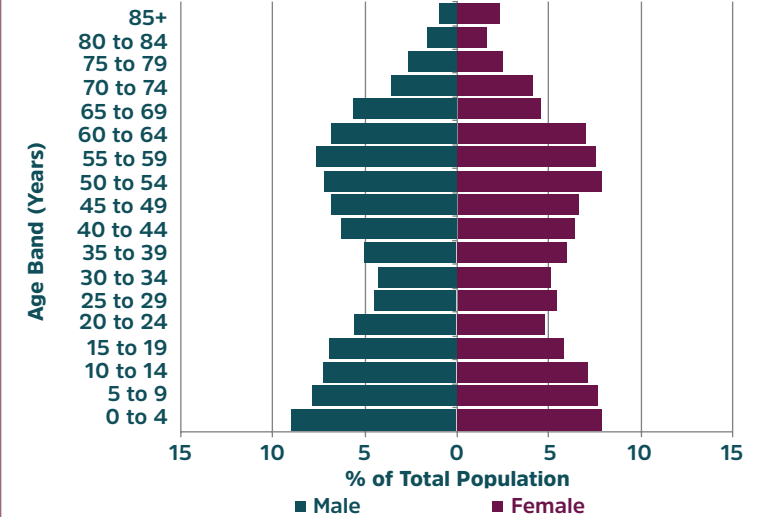


POPULATION KEY

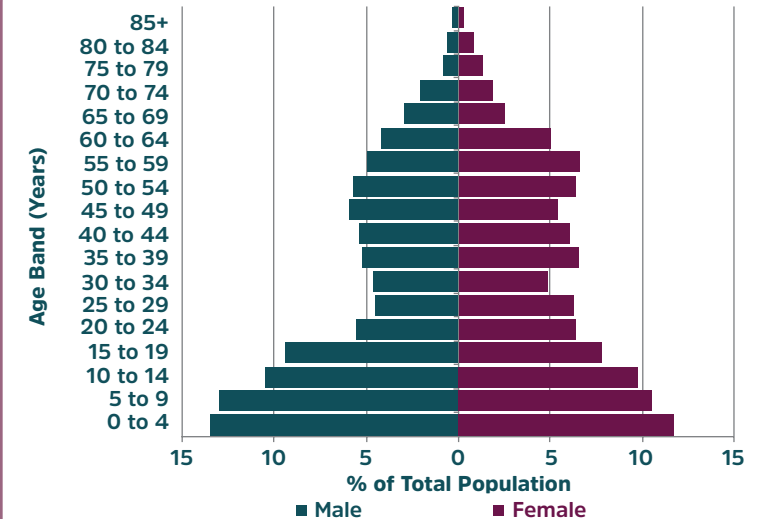


*Definition: People aged 15 years and over are defined as unemployed if they worked for one hour or more for pay or profit, or without pay in a family farm, business or professional practice, or if they had a job but were not at work for some reason.

Population Age Structure - Ruapehu TA (2013 Census)



Population Age Structure - Ruapehu TA Māori (2013 Census)



HOSPITALISATIONS AND DISEASE

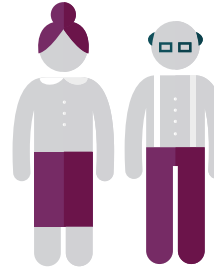
3 IN 4

visit the emergency department each year



Most common chronic disease admissions in

65+
= COPD, IHD & HEART FAILURE



The

MĀORI

hospitalisation rate for

HEART FAILURE

aged 45-64 is

11 TIMES HIGHER

than in non-Māori



1 IN 3

is admitted to hospital each year

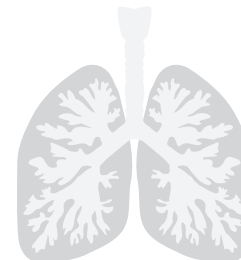


**MĀORI AGED 45+
HAVE 3 TIMES HIGHER**

rates of

**TYPE 2 DIABETES
& COPD**

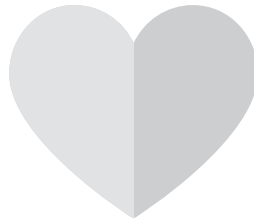
than non-Māori



The most common

CHRONIC DISEASE

hospitalisations are chronic obstructive pulmonary disease (COPD), ischaemic heart disease (IHD), heart failure and type 2 diabetes



3 OUT OF 1,000 WOMEN

45+ are hospitalised for

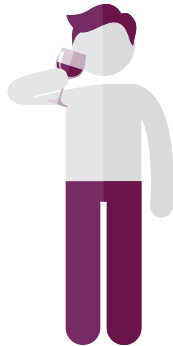
BREAST CANCER

each year



**2 IN 100
MĀORI
ADULTS**

are admitted for conditions related to alcohol

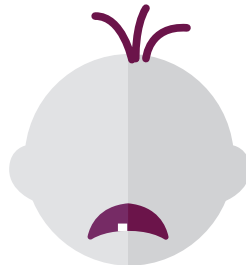


**4 OUT OF 1,000
MĀORI ADULTS**
are hospitalised for
SCHIZOPHRENIA
each year

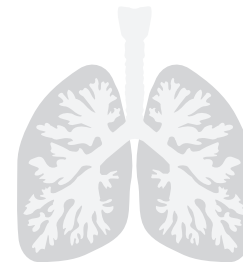


RESPIRATORY
hospitalisations among
**CHILDREN ARE
2 TIMES MORE
COMMON IN
RUAPEHU TA**
than in overall Waikato DHB

**1 IN 100
CHILDREN**
have been hospitalised for
**DENTAL
CARIES**



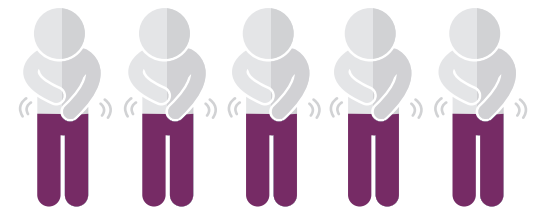
**5 IN 100
CHILDREN ARE**
hospitalised for
RESPIRATORY
infections each year



**7 IN 10 PREGNANT WOMEN
ARE OVERWEIGHT OR
OBESE DURING PREGNANCY**
(BMI over 25)



**5 OUT OF 1,000
CHILDREN**
are hospitalised for
GASTROENTERITIS
each year



RUAPEHU TA IN 2026

PROJECTIONS | KEY FINDINGS

The population of
RUAPEHU TA
will
DECREASE
BY 12%



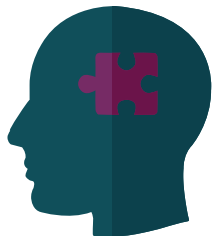
UNDER 15s
will
DECREASE
BY 16%



OVER 65s
will
INCREASE
BY 25%



The prevalence of
DEMENTIA IN 65+
is estimated to
INCREASE BY
83%



Admissions for
**COPD &
HEART FAILURE**
in 45+ is estimated to
INCREASE BY
11%



**IHD, TYPE 2
DIABETES
AND STROKE**
admissions are estimated to
INCREASE
BY 8%



Admissions for
**MOOD DISORDER
and
SCHIZOPHRENIA**
are estimated to
DECREASE
BY 12%



RUAPEHU TA KEY HEALTH INDICATOR STATISTICS

Key health indicator statistics for those living in Ruapehu TA (total and Māori population) compared with the overall Waikato DHB, 2014.

Health indicators	Waikato DHB	Ruapehu TA		Māori		Māori vs non-Māori
	Rate	Rate	Time trend since 2006	Rate	Time trend since 2006	Rate ratio
In-patient events per 1,000 population ¹	260.0	369.2*	↑ Increase	340.7	≈ No Change	0.87
Emergency department visits per 1,000 population ²	265.4	761.4*	-	797.6	-	1.08
Mortality rate per 1,000 population ³	7.2	12.5*	-	12.8	-	-
Dementia, total with disease ⁴	4,303	86	-	15	-	0.4
<i>Hospital stays per 100, 000 population⁵</i>						
IHD						
45-64 years	566.0	754.0	≈ No change	767.9	≈ No Change	1.03
65+ years	1856.4	2888.9	≈ No change	864.2	≈ No Change	0.25
COPD						
45-64 years	330.7	892.9*	≈ No change	1954.6	≈ No Change	4.15
65+ years	1473.7	4685.2*	≈ No change	11851.9	≈ No Change	3.28
Diabetes type 2						
45-64 years	356.3	545.6	≈ No change	1221.6	≈ No Change	4.41
65+ years	1019.2	2018.5*	≈ No change	3703.7	≈ No Change	2.04
Heart failure						
45-64 years	150.4	496.0*	≈ No change	1431.1	≈ No Change	11.47
65+ years	1129.2	2833.3*	≈ No change	6790.1	≈ No Change	3.01
Stroke						
45-64 years	190.0	337.3	≈ No change	418.8	≈ No Change	1.37
65+ years	969.6	1444.4	≈ No change	2592.6	≈ No Change	1.98
Renal failure						
45-64 years	50.9	59.5	≈ No change	139.6	≈ No Change	5.04
65+ years	205.3	407.4	≈ No change	493.8	≈ No Change	1.19

Health indicators	Waikato DHB	Ruapehu TA		Māori		Māori vs non-Māori
	Rate	Rate	Time trend since 2006	Rate	Time trend since 2006	Rate ratio
Breast cancer, women 45+ years	292.5	268.2	≈ No change	345.7	≈ No change	1.43
Mood disorder ⁶	157.5	153.2	≈ No change	188.6	≈ No change	1.54
Schizophrenia ⁶	130.2	252.7	≈ No change	434.0	≈ No change	6.25
Disorders due to psychoactive substance use ⁶	86.7	157.2	≈ No change	208.5	≈ No change	1.96
Intentional self-harm ⁷	149.4	154.7	≈ No change	203.3	≈ No change	1.67
Alcohol related harm and conditions ⁸	717.6	730.4	≈ No change	2083.5	-	-
Respiratory infections aged 0-14 years ⁹	2033.9	4965.9*	↑ Increase	5306.9	↑ Increase	1.23
Asthma aged 0-14 years ¹⁰	431.3	798.2	≈ No change	812.1	≈ No change	1.04
Gastroenteritis aged 0-14 years ¹¹	535.5	573.4	≈ No change	585.5	≈ No change	1.05
Dental caries aged 0-14 years ¹²	1041.0	1055.2	≈ No change	1038.7	≈ No change	0.96
Rheumatic fever ¹³	5.1	0.0	-	0.0	-	-
<i>Community care service use per 1,000 population¹⁴</i>						
District nursing	286.4	486.7*	-	365.0	-	0.63
Public health nursing	19.2	46.4*	-	84.8	-	4.79
Physio-/occupational therapy/dietician	38.9	53.2	-	39.4	-	0.62

Notes: 1-2 Waikato DHB hospital register Costpro, events per 1,000 population, 2014. 3 Events per 1,000 population, 2013. 4 Alzheimer's New Zealand. 5 Age- and ethnicity specific rates, annual average 2010-2014, Costpro. ICD10: ischemic heart disease (IHD) I20-25, chronic obstructive pulmonary disease (COPD) J40-44, J47, diabetes type 2 E11, heart failure I50, stroke I60-I69, renal failure N17-N19, breast cancer C50, 6 Age- and ethnicity-standardised rate per 100,000 population. Standardised to the NZ population. Mood disorder F30-F39, schizophrenia and delusional disorders F20-F29, disorders due to psychoactive substance use, F10-F19. 7 Age- and ethnicity-standardised rate per 100,000 population, ICD10 X60-X84. Standardised to the NZ population, 8 Alcohol attributable fraction weighted admissions, 9 Age- and ethnicity-specific rate per 100,000 population, ICD10 J00-J22, 10 Age- and ethnicity-specific rate per 100,000 population, ICD10 J45-46, 11 Age- and ethnicity-specific rate per 100,000 population, ICD10 A00-A09, 12 Age- and ethnicity-specific rate per 100,000 population, ICD10 K02, 13 Crude rate per 100,000 population, ICD10 I00-I02, 14 Events per 1,000 population, 2011-2014 (annual average), Costpro. Arrows show statistically significant differences over time ($p < 0.05$) - Data not available for comparison. Rate ratios: non-Māori is held as reference category. A ratio above/below 1 means the outcome is more/less common among Māori than non-Māori.

RUAPEHU TA KEY HEALTH INDICATOR STATISTICS

Key socioeconomic indicator statistics for Ruapehu TA (total and Māori population) compared with the overall Waikato DHB, 2013.

Indicators	Waikato DHB	Ruapehu TA		Māori		Māori vs non-Māori
	Rate	Rate	Time trend since 2006	Rate	Time trend since 2006	Rate ratio
Risk behaviours¹						
Regular smokers (15+)	17.2%	25.3%*	↓ Decrease	41.6%	↓ Decrease	1.97
Male	17.8%	24.8%*	↓ Decrease	36.5%	≈ No change	1.64
Female	16.5%	25.8%*	↓ Decrease	43.7%	↓ Decrease	2.12
Regular smokers (15 to 24)	18.1%	29.3%*	↓ Decrease	40.1%	↓ Decrease	2.29
Male	19.0%	27.4%*	≈ No change	36.5%	≈ No change	1.92
Female	17.2%	31.0%*	↓ Decrease	43.6%	↓ Decrease	3.12
Smoking in pregnancy	18.7%	33.7%*	-	49.2%	-	5.04
Births to mothers under age 19 per 1,000 births ²	66.4	57.7	-	63.5	-	1.30
Births to mothers over age 35 per 1,000 births ²	166.1	192.3	-	158.7	-	0.65
Overweight in pregnancy (BMI 25-29) ²⁻³	28.1%	35.6%	-	46.0%	-	2.36
Obese in pregnancy (BMI ≥30) ²⁻³	25.5%	31.7%	-	34.9%	-	1.30
Social and economic¹						
Rates of te reo in the home (among Māori)	25.7%	-	-	23.7%	↓ Decrease	-
Highest qualification: diploma (level 5) and over	25.2%	15.7%*	≈ No change	6.6%	≈ No change	0.33
No qualification (15+)	25.0%	32.7%*	↓ Decrease	46.2%	↓ Decrease	1.60
Unemployed (percentage of population in labour force)	7.7%	8.1%*	↑ Increase	16.3%	≈ No change	2.72
Living in crowded housing	9.7%	11.1%*	-	-	-	-
Do not own usual residence	50.6%	51.9%	↑ Increase	71.3%	↑ Increase	1.69
Rented households	37.3%	44.9%*	↑ Increase	-	-	-
Households with no access to telecommunications	2.1%	6.1%	≈ No change	-	-	-
Households with no access to a motor vehicle	7.1%	10.1%*	≈ No change	-	-	-
Single parent households	19.0%	20.6%	≈ No change	-	-	-
Living in high deprivation areas ³	26.3%	58.7%*	≈ No change	-	-	-

Notes: 1 2013 Census, 2 2014 National Maternity Collection, MoH, 3 Based on maternal height and weight at first registration with LMC or DHB Primary Maternity Service, 4NZDEP13 index scores of 9 or 10.
 *Significantly different from Waikato DHB value. Arrows show statistically significant differences over time (p<0.05) - Data not available for comparison. Rate ratios: non-Māori is held as reference category. A ratio above/below 1 means the outcome is more/less common among Māori than non-Māori.

RUAPEHU TA PROJECTIONS 2026

Current and projected population and health statistics for Ruapehu TA, 2016-2026

Indicator	Estimated <i>n</i> 2016	Estimated <i>n</i> 2026	Change <i>n</i>	2016-2026 %
Population estimates¹				
Total population	8,075	7,110	-965	-12.0%
Under 15	1,875	1,580	-295	-15.7%
Over 65	1,480	1,850	370	25.0%
Hospital admissions (<i>n</i>)				
IHD, 45+	46	50	3	7.4%
COPD, 45+	69	76	7	10.9%
Diabetes type 2, 45+	33	35	2	6.9%
Heart failure, 45+	41	45	5	11.7%
Stroke, 45+	22	24	2	8.6%
Mood disorder	10	9	-1	-12.0%
Schizophrenia	17	15	-2	-12.0%
Gastroenteritis, 0-14	17	14	-3	-15.7%
Asthma, 0-14	14	12	-2	-15.7%
Breast cancer (women, 45+)	4	4	0	-10.9%
Dementia ² , prevalence 65+	88	160	72	82.5%

Notes: Projections based on statistics NZ population projections by sex and age, 2016 (base)-2026, medium projection. Estimated admissions 2026 = current number of admissions (annual average 2010-2014) multiplied with the (age-specific) increase/decrease in population. ¹Population estimations for 2016. ²Number with dementia in 65+ (prevalence 8.1%) based on a 2012 Alzheimer's NZ report. ³2030, prevalence 8.7%.